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Attorney Docket No. 1454.1708

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Markus DILLINGER et al.

Application No.: 10/574,500

Group Art Unit:

Filed: April 3, 2006

Examiner:

For: RECONFIGURABLE RADIO SYSTEM WITH ERROR RECOGNITION AND
TREATMENT

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ Form PTO-1449.
- 1b. ☒ Copy(ies) of IDS citation(s), except for U.S. Patents and U.S. Patent Application publications.
- 1c. ☒ English language copy of a communication(s) from a foreign Patent Office or a PCT International Search Report.
- 1d. ☒ English language translation (complete, Abstract or relevant portion(s)) attached to non-English language publications as indicated on the attached Form PTO-1449.
- 1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of non-English publications.
- 1f. ☐ List of Copending Applications (ATTACHMENT 1(f), hereto).
- 1g. ☐ List of Additional Submitted Documents (ATTACHMENT 1(g), hereto).

2. ☒ This Information Disclosure Statement is filed under 37 CFR § 1.97(b):

(Check either Item 2a or 2b or 2c or 2d)

- 2a. ☐ Within three months of the filing date of a national application;
- 2b. ☐ Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application.
- 2c. ☒ Before the mailing of a first Office Action on the merits; or
- 2d. ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114.

3. ☐ This Information Disclosure Statement is filed under 37 CFR § 1.97(c) after the period specified in paragraph 2 above but before the mailing date of any of a Final Office Action under § 1.113, a Notice of Allowance under § 1.311 or an action that otherwise closes prosecution in the application, AND

(Check either Item 3a or 3b; Item 3b to be checked if any reference known for more than 3 months)

- 3a. ☐ The § 1.97(e) Statement in Item 5 below is applicable; OR
 3b. ☐ The \$180.00 fee set forth in 37 CFR § 1.17(p) is:
☐ enclosed.
☐ to be charged to Deposit Account No. 19-3935.

4. ☐ This Information Disclosure Statement is filed under 37 CFR § 1.97(d) after the period specified in paragraph 3 above, but on or before payment of the Issue Fee, AND

- 4a. ☐ The § 1.97(e) Statement in Item 5 below is applicable; AND
 4b. ☐ The \$180.00 fee set forth in 37 CFR § 1.17(p) is:
☐ enclosed.
☐ to be charged to Deposit Account No. 19-3935.

5. ☐ Statement under § 1.97(e) *(applicable if Item 3a or Item 4a is checked)*

(Check either Item 5a or 5b)

- 5a. ☐ In accordance with 37 CFR § 1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
 5b. ☐ In accordance with 37 CFR § 1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

6. ☐ This is a continuation/divisional/continuation-in-part application under 37 CFR § 1.53(b).

(Check appropriate Items 6a and/or 6b)

- 6a. ☐ Copies of the publications listed on the attached Form PTO-1449 which were previously cited in prior application Serial No. ___, filed on ___, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, have been omitted pursuant to 37 CFR § 1.98(d).
 6b. ☐ Copies of the publications listed on the attached Form PTO-1449 which were not previously cited in prior application Serial No. ___, filed on ___, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, are provided herewith.

7. ☐ This is a Request for Continued Examination under 37 CFR § 1.114.
(Check either Item 7a or 7b)
- 7a. ☐ The Issue Fee has not been paid.
- 7b. ☐ A Petition to Withdraw from issue under 37 CFR § 1.313(c) is filed concurrently herewith or has been granted. A Request for Continued Examination under 37 CFR § 1.114, after payment of the Issue Fee, is proper in accordance with 37 CFR § 1.114(a), respectively.
8. ☐ This is a Supplemental Information Disclosure Statement.
(Check either Item 8a or 8b)
- 8a. ☐ This Supplemental Information Disclosure Statement under 37 CFR § 1.97(f) supplements the Information Disclosure Statement filed on _____. A bona fide attempt was made to comply with 37 CFR § 1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on _____.
- 8b. ☐ This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR §§ 1.97 and 1.98, mailed _____.
9. ☐ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:
(Check appropriate Items 9a, 9b, 9c and/or 9d)
- 9a. ☐ satisfied for the non-English language publication(s) cited on the enclosed "English language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP § 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, 8th Ed., Rev. 2)
- 9b. ☐ set forth in the application.
- 9c. ☐ satisfied for the non-English language publication(s) indicated on the attached Form PTO-1449 as having an English language translation (complete or relevant portion(s)) attached thereto.
- 9d. ☐ enclosed as Attachment 1(e), hereto.
10. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR § 1.17 for this Information Disclosure Statement to Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

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Sheet 1 of 2

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NO. 1454.1708	APPLICATION NO. 10/574,500
	FIRST NAMED INVENTOR Markus DILLINGER			
	FILING DATE April 3, 2006		GROUP ART UNIT	

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	2002/0083156 A1	06/27/2002	Wysoczynski			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	<u>TRANSLATION</u> YES NO		ABSTRACT
	AB	92/16077	09/17/1992	WIPO			
	AC	97/16938	05/09/1997	WIPO			
	AD	01/90891 A1	11/29/2001	WIPO			
	AE	1 164 810 A2	12/19/2001	EUROPE			
	AF	1 170 967 A1	01/09/2002	EUROPE		X	
	AG	2 366 957 A	03/20/2002	UK			
	AH	02/43422 A1	05/30/2002	WIPO			
	AI	1 274 266 A1	01/08/2003	EUROPE			X

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

			<u>TRANSLATION</u> YES NO	
	AJ	K. Moessner, et al.; "Software Defined Radio Reconfiguration Management"; International Symposium on Personal, Indoor and Mobile Radio Communication (PIMRC'01); Vol. 1; 2001; pp. D-91 to D-95		
		TRUST Deliverable D4.3, Report on Assessment on Novel Solutions on System Aspects of Reconfigurable Terminals and Recommendations for Standardisations, Information Society Technologies, December 2001, Sections 4.2.1 (Initial Mode Switching Architecture) and 6.2.1 (Security in SDR terminals), pp. 169-176 and 336-343.		

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Sheet 2 of 2

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTORNEY DOCKET NO.	APPLICATION NO.
	1454.1708	10/574,500
	FIRST NAMED INVENTOR	
	Markus DILLINGER	
	FILING DATE	GROUP/ART UNIT
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AA						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
AC						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

			TRANSLATION YES NO	
AJ	Java specification request JSR-118 Mobile Information Device Profile, version 2.0; Public Draft, 2002, pp. i-vi and 1-10.			
	Mobile Execution Environment (MexE) Functional Description, Stage 2; Release 5; 3GPP TS 23.057 V5.0.0, March 2002, pp. 1-88.			
	3G Security Architecture, Release 5, 3GPP TS 33.102 V5.0.0, June 2002, pp. 1-61.			
	Ravasio et al, IST-2001-34091 Scout Deliverable D 4.1.2, "Architecture, Functions and Security Analysis and Traffic Management Schemes for IP-Based Mobile Networks and Re-configurable Terminals in Cellular and Ad-Hoc Networks"; January 30, 2004, pp. 1-5 and 105-111.			
	Micocci et al., IST-2001-34091 Scout Deliverable D4.1.1, "Requirements on Network an Security Architecture and Traffic Management Schemes for Download Traffic based on IP Principles in Cellular and Ad Hoc Networks", October 31, 2002, pp. 1-4 and 79-100.			
	Beach et al., "The European Project TRUST - Reconfigurable Terminals and Supporting Networks, Annals of Telecommunications, Vol. 57, No. 7-8, July 2002, pp. 653-676.			

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